Approved For Release 2001/04/02 : CIA-RDP78B04747A000600050003-8

7 March 1962

MEMORANDUM FOR: Chief, Technical Plans & Development Staff

SUBJECT:

Staff Study, Proposed Technical Changes in the Camera Calibrator Contract

I. PROBLEM

has requested permission to change the technical specifications of the camera calibrator contract, as STATHATL in their correspondence of 4 January 1962, and 19 January 1962. cost required for the changes

2. FACTS

The calibrator that is building for NPIC HE EGB be the first of its kind. In reviewing the development of the equipment, various improvements in the scope of the instrument have become necessary to insure adequate flexibility to meet NPIC needs.

3. DIBCOBBLON

Additional units are also being built for Navy PIC and White Sands Missile Range. After reviewing the development of the instrument by the various technical representatives, modifications were suggested to improve the versatility and performance of the calibrator. While all of these modifications are not of direct interest to NPIC, none restrict the instrument for our use and could be useful in the future. The increase in price requested is considered very small in relation to the improvements over the original instrument as contracted for. For additional information on specific points of interest to NPIC, refer to the memo of 25 January 1962 to Chief, TID from Chief, TID/TAB on the camera calibrator.

4. CONCLUSION

If it is decided not to accept the proposed technical changes, the calibrator will not adequately fill NPIC's need for a highly versatile camera calibrator. The changes as requested reflect our experience with the present wide angle calibrator now in TID and are considered necessary to improve the instrument.

5. RECOMMENDATION

STATINTL

It is recommended that the technical changes as requested in correspondence of 4 and 19 January 1962 be accepted as presented.

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NPIC/TP&DS/TDB: df(3591)

AC/TDB

STATINTL

The total cost required for the changes is Approved for Release 2001/04/02: CIA-RDP78B04747A00060005000A=ANTL

2. Ance the operation of the autocollimator from a setting position is not considered to be a syniferant requirement, uncrease the height of the autocollimator to 12 moles for a greater distance between the collinator line and the autocollinator, knowed hight of target plane to 12 inches from floor for easy access to replace lamps and fast fort clearance horace the appropriate kight to table from 24" to 30" Overall height not to exceed to feet. 3. Anstall a bulle eye level on the autocollenator, camera stage, and collinator lens assembly for rough leveling. C, Smitall a mercury outoff switch for mountal Apposure control for use on long exposures beyond range of times. d. Lelset an electric impulse counter with us large numerals as is fearible. c. Consecutively number all targets. f. Install fiducial illumination. q. Anatall standard sufelight with series OA, II, and III felters to autocollinator frame. As Install access doors for entrance to top of larget area. i. Constant voltage regulator with atandard three wine

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"agrave". (This stem to make targets compatible with the square of select "45" and ment "49".

(This is a change in the number of neutral density filters required her to changes in the number of targets from 45 to 49.)

1. Proposal spee, Item 11, delete sentence and insert "Place, 2 additional targets at half angles of 15°, 17'2' and 20° and diagonals of a rectangular format to accommodate cameras with a 24 x 36 mm farmat, (This item to make targets compatable with rectangular format.)





